

# Overview

of the  
Program Executive Office  
for  
Combat Support & Combat Service Support

**JOHN R. BARTLEY**

*Brigadier General, USA*

*Program Executive Officer,*

*Combat Support & Combat Service Support*

*Equipping Our Joint Warfighters with the World's Best Capability... Today & Tomorrow*





# PEO CS&CSS Portfolio & Organization

PEO CS&CSS

## Program Executive Officer

BG John R. Bartley

## Deputy PEO

Mr. Thomas Bagwell, Jr.

## Deputy PEO ~ Logistics

COL Victoria Diego-Allard

## Chief Executive Officer



## Tactical Vehicles



### Light Tactical Vehicles



### Medium Tactical Vehicles



### Heavy Tactical Vehicles



## Future Tactical Systems

Provisional



### Horizontal Technology Insertion Product Office



### Utility Vehicle/Maneuver Sustainment Vehicle (UV/MSV) Product Office



### Joint Light Tactical Vehicle



### Test, Measurement, & Diagnostic Equipment



### Sets, Kits, Outfits & Tools



## Force Projection



### Army Watercraft Systems



### Assured Mobility Systems



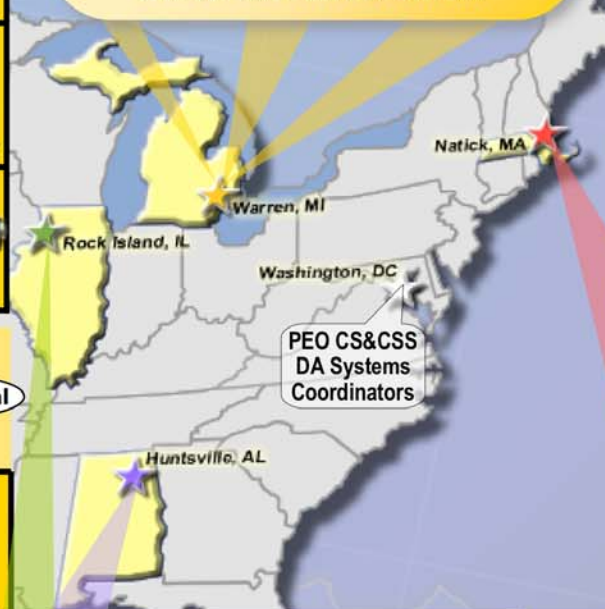
### Combat Engineer/Material Handling Equipment



### Force Sustainment Systems



### Petroleum & Water Systems



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Equipping Our Joint Warfighters with the World's Best Capability...

**TODAY**



ASV



RTCH



Joint Precision-Guided Aerial Delivery System



Mine Protection Clearance Vehicle



Armor Installations



Medium Mine Protected Vehicle (ENG)



Improved Seatbelts

**The Right Product...**

**At the Right Time...**

**From the Right Source...**

**At the Right Price**



Medium Mine Protected Vehicle (EOD)



Unique Bridging Solutions



Gunner Protection Kit (GPK) Installations



PEO-LNOs



Gunner Restraint System



Cooling Vests



Combined Laundry & Shower Facilities (LADS)



Sprung Shelters



Joint High Speed Vessel Mission



Containerized Kitchen



IHMEE



Fire Suppression

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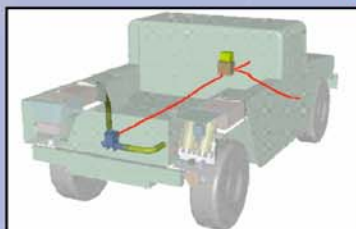


# Equipping Our Joint Warfighters with the World's Best Capability...

## **TOMORROW**



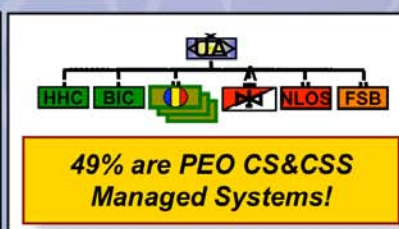
**Wireless Diagnostic Sensor**



**Digital Backbone**



**UV/MSV System  
Acquisition Concepts**



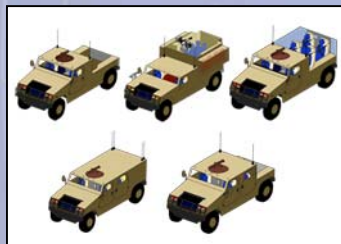
**FCS BCT**



**Precision  
Airdrop**



**Communications to  
CLOE (VCS)**



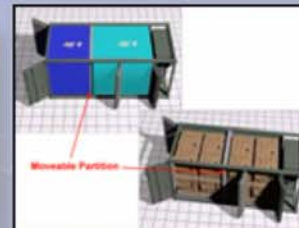
**JLTV Concept**

**The Right Product...**

**At the Right Time...**

**From the Right Source...**

**At the Right Price**



**Multi-Temperature  
Refrigerated  
Container System**



**FTTS ACTD**



**Rapid Repower**



**PLS w/ASLMS**



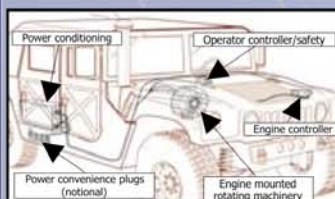
**RIFTS**



**MSD**



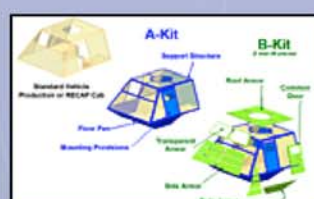
**Improved Load Handling**



**On-Board Vehicle Power**



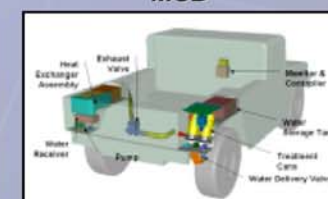
**C4ISR**



**Long Term Armor Strategy**



**Trailer Strategy Concept**



**WRUE**



**IETMS**

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# The TACOM LCMC Community

PEO CS&CSS



**AMC Mission:**  
Provide superior technology, acquisition support, and logistics to ensure dominant land force capability for Soldiers, the United States, and our Allies.



**Black Belt Project:**  
**Sustainment of Low Density and/or Small \$ Value Systems**  
•Executive Champion: BG Bartley  
•Project Sponsor: COL Goddette



**Enterprise Partners**



**ASA(ALT) Mission:**  
Effectively and efficiently develop, acquire, field, and sustain materiel by leveraging domestic, organic, commercial, and foreign technologies and capabilities to meet the Army's current and future mission requirements.

**LCMC Mission:** Develop, Acquire, Field and Sustain the Soldier and Ground Systems for the Warfighters through the integration of effective and timely Acquisition, Logistics, and cutting-edge Technology.

<b>Goal 1 – Products</b>	Support and sustain warfighters to ensure combat effectiveness, expanded capability, and readiness, today and tomorrow.
<b>Goal 2 – People</b>	Continue to build and support a workforce with the skills, knowledge, and abilities to meet the needs of the TACOM LCMC.
<b>Goal 3 – Processes</b>	Work as a truly integrated TACOM LCMC to develop and institutionalize interdependent Acquisition, Logistics, and Technology processes, providing quality, efficiency, effectiveness, and continued improvement.
<b>Goal 4 – Culture</b>	Foster a climate within the TACOM LCMC in which we mutually arrive at courses of action that are in the best interest of the warfighter. Promote a spirit of collaboration, teaming, and customer service throughout the TACOM LCMC.

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# Our Challenge is to be Prepared for....

## ◆ Changes in Environment

- Responsive to Natural Disaster, Regional Conflict
- Quality Product with Accelerated Deliveries and Quantities
- Create Contracts with Maximum Flexibility
- Time = Seconds/Minutes/Hours NOT Days/Months/Years

## ◆ Changes in Technology

- Ability to Keep Step with Technology Advances
- The Army is serious about designing with Future Growth in Mind - Headroom -Improve Capability, Survivability, Network Communication and Reduce Burden on Soldier and Operating Costs

## ◆ Changes in Mission

- Add on Armor's Burden on Vehicles, Payload Effects and System Reliability
- Use the Feedback Information from Rotations to Influence Design and Joint Efforts

***“You’re looking at a calendar while I’m looking at my watch”***

***LTG Russel L. Honoré***

***CG 1st Army on Hurricane Katrina Relief Effort***





# Force Projection ~ Project Management Office

PEO CS&CSS



## MISSION

Develop, acquire, field, and support materiel solutions that optimize the "System of Systems" approach to project and sustain joint forces worldwide.

## VISION

Recognized Experts in Commercial Off-The-Shelf (COTS) & Non Developmental Items (NDI) (CaNDI) Acquisition, Logistics and Technology.

## Project Manager

**COL Timothy Goddette**

Deputy PM Acquisition: Ms. Patricia Plotkowski

Deputy PM Logistics: Ms. Marion Whicker

Deputy PM Technology: Mr. Jack Peterson

## PRODUCT MANAGERS

- ◆ **Army Watercraft Systems**
  - LTC Philip Schoenig
- ◆ **Assured Mobility Systems**
  - LTC Jerry Winberry (ARNG)
- ◆ **Combat Engineering/Material Handling Equipment**
  - LTC Carol Solesbee (ARNG)
- ◆ **Force Sustainment Systems**
  - LTC Craig L. Rettie
- ◆ **Petroleum and Water Systems**
  - LTC Michael Receniello (USAR)
- ◆ **Product Line Management Office (RESET)**
  - LTC Marc Wilson (USAR)





# Force Projection ~ Products

**124 Programs\***

\*Does not include systems in sustainment



## PM Combat Engineer/Material Handling Systems

**38 Systems**

1.6 & 2.5 Cubic Yard Scoop Loaders\*  
4.5 & 5.0 Cubic Yard Scoop Loaders\*  
7.5ton Crane  
Add on Armor Program  
Airborne Grader, Sectionalized & Non-sectionalized  
Airborne Scraper & **Water Distributor**\*  
All Terrain Crane & Pile Driving System\*  
All Terrain Lifter, Army System (ATLAS) I & II  
Asphalt Mixing Plant  
Backhoe Loader (HMEE Type III)\*  
CE SLEP (**Dozers, Graders, Scrapers**)  
Crushing, Screening, Washing Plant  
Deployable Universal Combat Earthmover (DEUCE)\*  
Dual Steel Wheeled Roller (DSWR)\*  
Engineer Mission Modules (EMM)\* 4 Modules  
Family of Dozers (T5 & T9)  
Grader, Motorized, Heavy\*  
High Mobility Eng. Excavator (HMEE I)\*  
Hydraulic Excavator (HYEX)  
Interim High Mobility Eng. Excavator (IHMEE)  
Paving Machine, Bituminous  
Rough Terrain Container Crane (RTCC)  
**Rough Terrain Container Handler (RTCH)**\*  
Self-propelled Crane for Aircraft Maint & Positioning (SCAMP)  
Skid Steer Loader\*  
Vibrating Roller



## PM Army Watercraft Systems

**8 Systems**

115 Ton Barge Derrick  
Landing Craft Mechanized (LCM8) Mod II\*  
Landing Craft Utility (LCU) 2000 Material Change\*  
Large Tug (LT) 128' Modernization\*  
Logistics Support Vessel (LSV) Reprourement\*  
Modular Causeway Systems (MCS)\*  
Small Tug 900 (ST900)\*  
Harbormaster Command and Control Center \*



## PM Force Sustainment Systems

**43 Systems**

**Advanced Low Velocity Airdrop System (ALVADS)**\*  
**Army Space Heater (ASH)**\*  
**Assault Kitchen (AK)**\*  
**Authorized Stockage List Mobility System (ASLMS)**\*  
**Battlefield 12-Head Shower**  
**Containerized Batch Laundry (CBL)**\*  
**Containerized Kitchen (CK)**\*  
**DoD Combat Field Feeding Program (6.4/6.5)**\*  
**Dual Row Airdrop System (DRAS)**\*  
**Enhanced Container Delivery System (ECDS)**\*  
**Extraction Parachute Jettison System (EPJS)**\*  
**Family of Cargo Bed Covers (CBCs)**  
**Food Sanitation Center (FSC)**\*  
**Force Provider**\*  
    **Chaplaincy Logistical Support Package (CLSP)**  
    **Containerized Chapel (CC)**  
    **Containerized Latrine System (CLS)**  
    **Containerized Self-Serve Laundry (CSSL)**  
    **Containerized Shower System (CSS)**  
**Electronic Shop Van (ESV)**\*  
**Joint Precision-Guided Aerial Delivery Sys (JPADS)**\*  
**Kitch., Co. Level, Fld. Feeding - Enhanced (KCLFF-E)**  
**Large Capacity Field Heater (LCFH)**\*  
**Laundry Advanced System (LADS)**\*  
**Lightweight Maintenance Enclosure (LME)**\*  
**Low Cost Aerial Delivery System (LCADS)**\*  
**Mobile Integrated Remains Collection System (MIRCS)**\*  
**Mobile Kitchen Trailer-Improvement (MKT-I)**\*  
**Modern Burner Unit (MBU)**\*  
**Modular Command Post System**  
**Modular General Purpose Tent System (MGPTS)**\*  
**Mounted Water Ration Heater (MWRH)**  
**Multi-Temp. Refrigerated Container System (MTRCS)**\*  
**Refrigerated Container System (RCS)**\*  
**Small Unit Shower (SUS)**  
**Soldier Crew Tent (SCT)**  
**Space Heater Arctic (SHA)**\*  
**Space Heater Convective (SHC) 35K BTU**\*  
**Space Heater Convective (SHC) 60K BTU**\*  
**Space Heater: Large, Medium, Small**  
**Tent Extendable Modular PERsonnel (TEMPER)**  
**Thermoelectric Fan (TEF)**\*  
**Ultra Lightweight Camouflage Net Sys. \*(ULCANS)**

### ICTs

**Joint Bridging Development – AMS\***  
**All Terrain Lifter – CE/MHE\***  
**Joint Precision Airdrop System - FSS\***  
**Theater Support Vessel - Objective – AWS\***  
**Joint Modular Intermodal Platform - AWS\***



## PM Assured Mobility Systems

**20 Systems**

**Assault Breacher Vehicle (ABV)**  
**Armored Vehicle Launched Bridge (AVLB)**  
**Bailey Bridge**  
**Bridge Adapter Pallet (BAP)**  
**Bridge Erection Boat (BEB)**\*  
**Buffalo Mine Protected Vehicle**\*  
**Common Bridge Transporter (CBT)**\*  
**Dry Support Bridge (DSB)**\*  
**Expeditionary Assault Bridge (EAB)**\*  
**Improved Boat Cradle (IBC)**  
**Improved Ribbon Bridge (IRB) Bays\***  
**IVMMD Mine Protected Vehicle**\*  
**JERRY EOD Vehicle**\*  
**M9 ACE – Combat Engineer Equipment**  
**Mabey Johnson Logistics Support Bridge**  
**Mabey Universal Bridge**  
**Medium Girder Bridge (MGB)**  
**Rapidly Emplaced Bridging System (REBS)**\*  
**RG31 Mine Protected Vehicle**\*  
**Standard Ribbon Bridge (SRB)**



## PM Petroleum & Water Systems

**13 Systems**

**Advanced Aviation Forward Area Refueling System (AAFARS)**\*  
**Assault Hoseline System (AHS)**\*  
**Forward Area Water Point Supply System (FAWPSS)\***  
**Fuel System Supply Point (FSSP)**\*  
**LHS Compatible Water Tank Rack (Hippo)**\*  
**LHS Modular Fueler (LMFF)**\*  
**Lightweight Water Purifier (LWP)**\*  
**Petroleum Quality Analysis System (PQAS)**\*  
**Petroleum Test Kit (PTK)**\*  
**Rapidly Installed Fluid Transfer System (RIFTS)**\*  
**Tactical Petroleum Terminal (TPT)**\*  
**Tactical Water Purification System (TWPS) 1500 GPH**\*  
**Unit Water Pod System (Camel)**\*

### Workgroup

**NATO MHE Workgroup – CE/MHE\***

**\*MANSCEN/CASCOM Participation  
Joint Programs**

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# Force Projection ~ *Products*

PEO CS&CSS



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# Tactical Vehicles ~ *Project Management Office*

PEO CS&CSS



## MISSION

The lifecycle management of tactical vehicles enabling the Modular, Joint and Expeditionary Ground Force

## OTHER SIGNIFICANT PROCUREMENT EFFORTS

- ◆ Safety Enhancements
- ◆ Add-on-Armor

## Project Manager

**COL Scott R. Kidd**

Deputy PM Acquisition: Mr. Tony Shaw

Deputy PM Logistics: Mr. Cesare Gaglio

## PRODUCT MANAGERS

- ◆ Light Tactical Vehicles
  - PM, LTC Samuel Homsy
- ◆ Medium Tactical Vehicles
  - PM, LTC Alfred Grein
- ◆ Heavy Tactical Vehicles
  - PM, LTC Allen Johnson





# Tactical Vehicles ~ Products

86 Programs



## PM Light Tactical Vehicles

25 Programs

M966A0, A1 - TOW Carrier, Armored  
M996A0, A1 - 2-Litter Ambulance  
M997A0, A1, A2 - 4-Litter Ambulance  
M998A0, A1 - Cargo/Troop Carrier  
M1025A0, A1, A2 - Armament Carrier  
M1026A0, A1 - Armament Carrier w/winch  
M1035A0, A1, A2 - 2-Litter Ambulance  
M1036A0 - TOW Carrier, Armored  
M1037A0 - Shelter Carrier  
M1038A0, A1 - Cargo/Troop Carrier w/winch  
M1042A0 - Shelter Carrier w/winch  
M1097A0, A1, A2 - Heavy HMMWV  
M1113A0 - Expanded Capacity Vehicle (ECV)  
M1114A0 - Up-Armored HMMWV  
XM1151 - Enhanced Armament Carrier  
XM1152 - Enhanced Troop/Cargo/Shelter Carrier

Chassis, Light Tactical Trailer (LTT)  
M1101 - LTT, Light  
M1102 - LTT, Heavy  
M116A3 - ¾ Ton Chassis Trailer

HMMWV Add-on Armor Kits (APK)  
HMMWV Recapitalization Program (R1)  
HMMWV Repower Program (R2)  
USMC HMMWV Procurement (inc. M1043A0, A1, A2; M1044A0, A1; M1045A0, A1, A2; M1046A0, A1; M1123)  
USAF HMMWV Procurement (inc. M1116, M1145)



## PM Medium Tactical Vehicles

28 Programs

M1078A1 - 2.5 Ton Std Cargo  
M1079A1 - 2.5 Ton Van  
M1080A1 - 2.5 Ton Chassis  
M1081A0 - 2.5 Ton Cargo (LVAD)  
M1083A1 - 5 Ton Std Cargo  
M1084A1 - 5 Ton Std Cargo w/HME  
M1085A1 - 5 Ton Long Bed Cargo  
M1086A1 - 5 Ton Long Bed Cargo w/MHE  
M1088A1 - 5 Ton Tractor  
M1089A1 - 5 Ton Wrecker  
M1090A1 - 5 Ton Dump  
M1092A1 - 5 Ton Chassis  
M1093A0 - 5 Ton Cargo (LVAD)  
M1094A1 - 5 Ton Dump (LVAD)  
M1096A1 - 5 Ton Long Chassis  
M1082 - FMTV 2.5 Ton Trailer  
M1095 - FMTV 5 Ton Trailer  
M1117 - Armored Security Vehicle  
XM1087 - FMTV Expansive Van  
XM1140 - FMTV High-Mobility Artillery Rocket System (HIMARS)  
XM1157 - FMTV 10 Ton Dump  
XM1148 - FMTV 8.8 Ton LHS  
XM1147 - FMTV LHS Trailer  
XM1160 - Medium Extended Air Defense System (MEADS)  
M1022A1 - 7.5 ton Dolly Set  
M200A1 - 2.5 Ton Chassis Trailer  
M103A3 - 1.5 Ton Chassis Trailer  
CKT - Containerized Kitchen Trailer



## PM Heavy Tactical Vehicles

33 Programs

M977 - Heavy Expanded Mobility Tactical Truck (HEMTT) Cargo  
M985 - HEMTT Cargo w/MHC  
M978 - HEMTT Tanker, 2500 gal  
M983 - HEMTT Tractor  
M984 - HEMTT Wrecker  
M1120 - HEMTT LHS  
M1074 - Palletized Load System (PLS) w/MHC  
M1075 - PLS Truck  
M1076 - PLS Trailer  
M1070 - Heavy Equipment Transporter System (HETS)  
M1000 - HETS Semi-trailer  
M1142 - Tactical Firefighting Truck (TFFT)  
XM1158 - HEMTT-based Water Tender (HEWATT)  
M1977 - Common Bridge Transporter (CBT)  
M14 - Improved Boat Cradle (IBC)  
M15 - Bridge Adapter Pallet (CBT)  
M3/M3A1 - Container Roll On/Off Platform (CROP)  
No Model Number - Container Handling Unit (CHU)  
M1, M1077/M1077A1 - Flat rack  
M915A3 - Line Haul Tractor  
M915A4 - Line Haul Tractor Upgrade (Glider)  
M916A3 - Light Equipment Transporter (LET)  
M917A2 - 20 Ton Dump  
M878A2 Yard Tractor  
Fifth Wheel Towing Device (FWTD)  
M870A3 - 40 ton Low Boy Trailer  
M871A3 - 22.5 Ton Flatbed Trailer  
M872A4 - 34 Ton Flatbed Trailer  
M989A1 - (HEMAT)  
M967A2 5000 Gal Bulkhaul Tanker  
M969A3 5000 Gal Refueler Tanker  
  
HEMTT RECAP  
M915 RECAP





# Tactical Vehicles ~ *Products*

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# Future Tactical Systems (Provisional) ~ *Project Management Office*



## MISSION

**Develop and Acquire Future Tactical Systems to Support an Expeditionary Army**

**Stand up date 31 Oct 05**

## **Project Manager**

**COL John S. Myers**

**Deputy PM Acquisition:** Mr. Dennis Mazurek

**Deputy PM Logistics:** Mr. Cesare Gaglio

**Deputy PM Technology:** Mr. Paul Skalny

## PRODUCT MANAGERS

- ◆ **Joint Light Tactical Vehicle**
  - *PM, LTC Wolfgang Peterman*
- ◆ **Sets, Kits, Outfits, & Tools**
  - *PM, LTC Jeff Carr*
- ◆ **Test, Measurement, and Diagnostic Equipment**
  - *PM, LTC Dwayne Morton*

## PRODUCT OFFICES

- ◆ **Horizontal Technology Insertion**
  - *Director, LTC John Shanklin*
- ◆ **Utility Variant /Maneuver Sustainment Variant (UV/MSV)**
  - *Director, Mr. Joel Wagner*





# Future Tactical Systems (Provisional) ~ *Products*

68 Programs



## PM Sets, Kits, Outfits and Tools (SKOT)

38 Systems

### Diving Equipment

- Diving Equipment Sets (A and B)
- Recompression Chamber
- Under Water Photo Support Set

### Sets, Kits & Outfits

- Automotive Maint and Repair, FM Basic & Supplement
- General Mechanic's Tool Kit (GMTK)
- Multi Capable Maintainer Tool Kit (MCMTK)
- Individual Aircraft Armament Repairman Tool Set (IAARTS)
- Team Aircraft Armament Repairman Tool Set (TAARTS)
- Shop Equipment Mechanical Maintenance, Shelter Electronic Repair Tool Kit
- Small Arms Toolkit
- Standard Automotive Tool Set (SATS)

### Shelter Mounted Sets, Kits, and Outfits

- Body, Explosive Ordnance Disposal (BEOD)
- Engine Fuel System Repair, Shelter Mtd /Electronic System
- Maint, Weapon Tool Kit
- Instrument & Fire Control Repair, Shelter Mounted
- Mechanical Maintenance, Shelter Mounted /Battalion Maintenance Sets
- Power Plant Set, Shelter Mounted
- Small Arms Repairs, Shelter Mounted
- Tool Set Contact & Emergency Repair
- Tool Set, Full Tracked Vehicle Repair

### Shop Set Equipment

- Forward Repair System (FRS)
- Hydraulic System Test and Repair Unit (HSTRU)
- Pioneer Tool Outfit (PTO)/Hydraulic and Electric Tool Outfit (HETO)
- Shop Equipment, Contact Maintenance (SECM)
- Allied Trades
- Mobile Parts Hospital (MPH)
- Shop Equipment, Welding (SEW)
- Shop Set, Electrical
- Spare Parts Storage Cabinet Set
- Carpenter's Tool Kit (CTK)

### Engine Lathe

- Milling Machine
- Welding Machine
- Power Hack Saw
- Power Hack Saw (Portable)

### Combat Support Equipment

- Demolition Kit
- Tool Set, Light Engineer Squad/Air Assault Kit



## PM Test, Measurement, and Diagnostic Equipment (TMDE)

25 Systems

### Common Embedded Diagnostics

- Wireless Diagnostics Sensor (WDS)
- Vehicle Integrated Diagnostic Software (VIDS)

### Calibration Sets (CALSETS)

- CALSET 2000
- CALSETS Equipment Modernization

### IFTE At Platform Automatic Test Systems

- Maintenance Support Device (MSD)
- MSD V2

- Wireless Internal Combustion (ICE) Engine Diagnostic Kit

### IFTE Off Platform Automatic Test Systems

- Base Shop Test Facility Version 5 (BSTF (V) 5)
- Next Generation Automatic Test System (NGATS) (BSTF (V) 6)

### General Purpose Electronic Test Equipment (GPETE)

- OS-303, Oscilloscope
- AN/USM-677, Spectrum Analyzer
- TS-4530/UPM, Portable Radar Test Set
- Test Set, Radio A
- Test Set, Portable Radio AN/PRM-35
- Signal Generator 2GHZ
- Signal Generator 26.5GHZ
- Function Generator
- Pulse Generator
- Analyzer, Data Communications
- Counter, Microwave Frequency
- Test Set, Transmission
- Oscilloscope, Low End
- Analyzer, Distortion
- Test Set, Electrical Cable
- Test Set, Pitot-static



## Product Director Horizontal Technology Insertion (HTI)

3 Systems

- Long-Term Armor Strategy (LTAS)
- Vehicle Computer System (VCS)
- Family of Army Scalable Trailers (FAST)



## Product Director Utility Variant /Maneuver Sustainment Variant (UV/MSV)

2 Systems

- FTTS Utility Vehicle (UV)
- FTTS Maneuver Sustainment Vehicle (MSV)





# Future Tactical Systems (Provisional) ~ *Products*

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## Summary

- ◆ **PEO CS&CSS will continue to provide innovation for Today and Tomorrow's Expeditionary Forces**
- ◆ **We are transforming while at war, modernizing through tech insertion, keeping our eye on the future to meet the Army's needs in 2010 and beyond.**